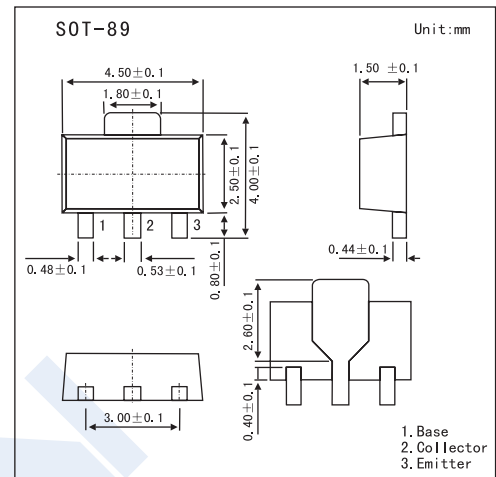


## Plunger Drive Applications

## 2SA1369

## ■ Features

- High Collector Current ( $I_{CM} = -3A$ ,  $I_C = -1.5A$ )
- High Collector Dissipation  $P_C = 500mW$
- Small Package For Mounting
- Complementary to 2SC3439

■ Absolute Maximum Ratings  $T_a = 25^\circ C$ 

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	$V_{CB0}$	-30	V
Collector-Emitter Voltage	$V_{CEO}$	-20	V
Emitter-Base Voltage	$V_{EBO}$	-6	V
Collector Current	$I_C$	-1.5	A
Peak Collector Current	$I_{CM}$	-3	A
Collector Power Dissipation	$P_C$	500	mW
Junction temperature	$T_j$	+150	$^\circ C$
Storage temperature Range	$T_{stg}$	-55 to +150	$^\circ C$

■ Electrical Characteristics  $T_a = 25^\circ C$ 

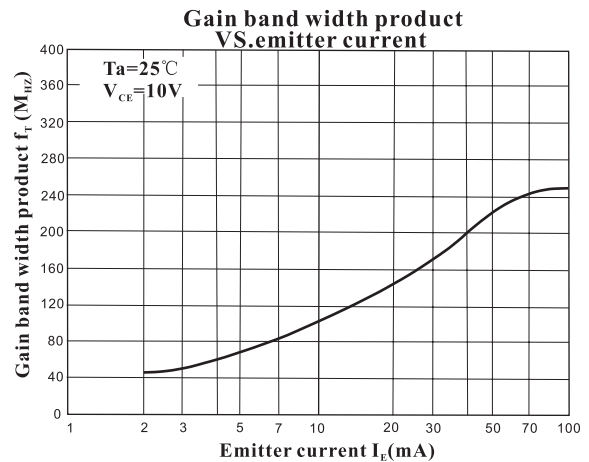
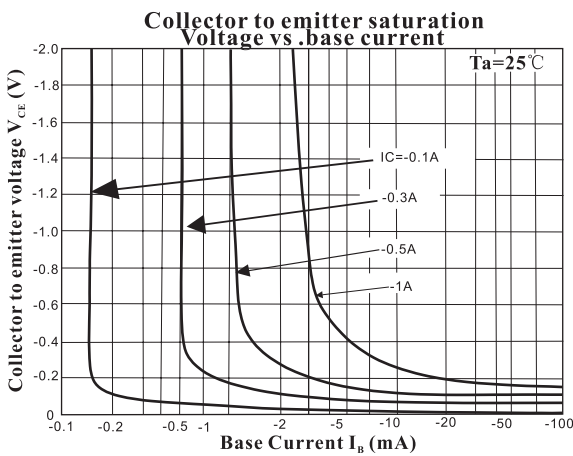
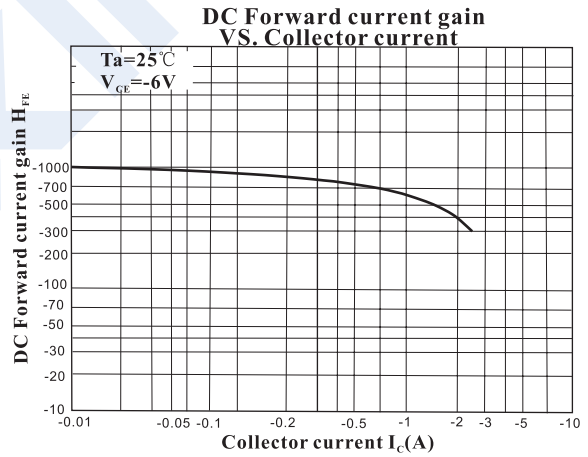
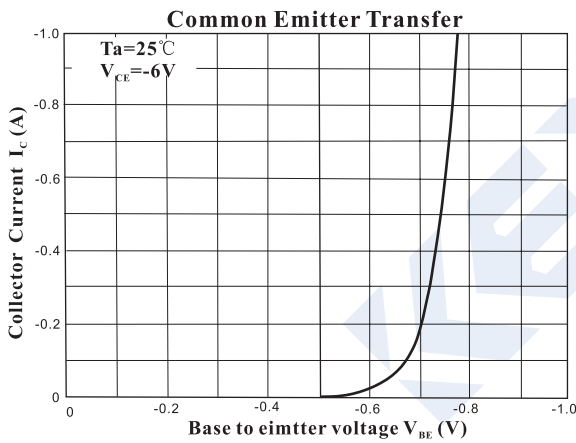
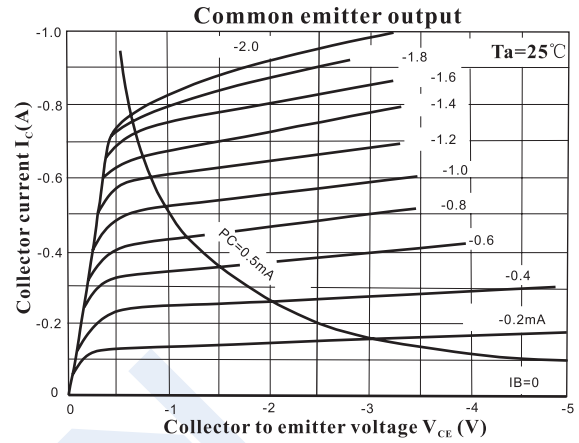
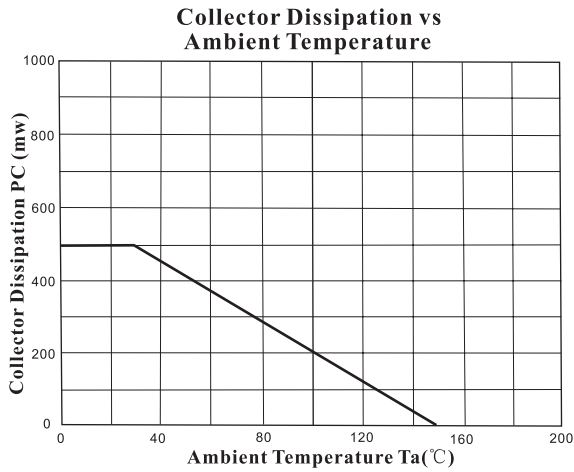
Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Collector Cut-off Current	$I_{CBO}$	$V_{CB} = -20V, I_E = 0$			-0.1	$\mu A$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB} = -2V, I_C = 0$			-0.1	$\mu A$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C = -1mA, R_{BE} = \infty$	-20			V
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C = -10\mu A, I_E = 0$	-30			V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E = -10\mu A, I_C = 0$	-6			V
DC Current Gain	$h_{FE}$	$V_{CE} = -6V, I_C = -500mA$	400		1200	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -1A, I_B = -20mA$		-0.25	-0.5	V
Transition Frequency	$f_T$	$V_{CE} = -10V, I_E = 10mA$		90		MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB} = -10V, I_E = 0, f = 1MHz$		37		pF

■  $h_{FE}$  Classification

Marking	G	
	G	H
$h_{FE}$	400 ~ 800	600 ~ 1200

## 2SA1369

### Electrical Characteristics Curves



## 2SA1369

